Particle Board

MATERIAL SAFETY DATA SHEET

Complies with ANSI Z400.1 format

HMIS Label

Health (potential chronic effects)	**1***
Fire Hazard	**0**
Reactivity	**0**
Personal Protection – depends on usage	**See Section 8**

PRODUCTS: Particleboard (Urea-Formaldehyde Bonded)

Date of Preparation: 12/1/00

Section 1 General Information

Chemical Name & Synonyms: Ultrablend, Roseburg Industrial, Roseburg CTG, Roseburg Commercial, Roseburg Underlayment, Roseburg Custom Core, Stairtread

Description: A panel product manufactured from particles of wood bonded together with urea formaldehyde resins.

Chemical Family: Wood

Formula: Mixture

Manufacturers Name: Roseburg Forest Products Co.
P.O. Box 1088
Roseburg, Oregon 97470

Prepared by: Roseburg Forest Products and DeEtta Burrows, MSPH, CIH – Wise Steps, Inc.

For Information Contact: Quality Assurance Director (541) 679-3311

Formaldehyde. Complies with Table #5

Section 2 Composition of Ingredients[1]

Chemical Name (Ingredients): Particleboard

	PERCENTAGE	OSHA PEL	OSHA STEL	ACGIH TLV-TWA	ACGIH TLV-STEL
Softwood Fiber*	50 - 95%	10 mg/m^3	None	5 mg/m^3	10 mg/m^3
Hardwood Fiber	50 - 95%	10 mg/m^3	None	1 mg/m^3	None
Formaldehyde	0.1 - 0.2%	0.75 ppm	2 ppm	N/A	0.3 ppm(C)

The product may release small quantities of formaldehyde in gaseous form. Emissions decrease through time as the panels' age. Manual or mechanical cutting or abrasion processes performed on the product can result in generation of wood dust. The panels all meet Department of Housing and Urban Development Safety Standards. ASTM E-133 chamber tests shown an average board concentration of 0.13 ppm.

* except for western red cedar: 2.5 mg/m^3 (OSHA), 0.5 mg/m^3 TLV

Section 3 - Toxicology and Health Information

Acute: Wood dust can irritate the eyes and breathing passages. Some wood species may cause skin and respiratory irritation. Contact by susceptible persons may cause allergies. These products may release very small quantities of formaldehyde in a gaseous state. Formaldehyde may be irritating to the eyes, nose, throat and skin.

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[1] *Notes: OSHA = Occupational Safety & Health Administration*
ACGIH = American Conference of Governmental Industrial Hygienists
PEL = Permissible Exposure Limit
TWA = Time Weighted Average
TLV = Threshold Limit Value – recommended level
STEL = Short Term Exposure Limit (15-minutes)
C = Ceiling Limit, never to be exceeded

Hardwood Plywood

MATERIAL SAFETY DATA SHEET

Revised: April 20, 2001 Supersedes: February 1, 1997 Number of pages: 4

PART I: PRODUCT IDENTIFICATION

Product: Urea-Formaldehyde Bonded Unfinished or UV Coated Hardwood Plywood Industrial Stock Panels; Hardwood Veneer.

Synonyms: Hardwood plywood, plywood, hardwood veneer

Trade Names: Classic Core™, Classic Lam™, Classic Core II™, Classic Core II, Europly™ JayCore™, UV Wood™, CFP 60's™

Manufacturer: Columbia Forest Products
Corporate Office
222 SW Columbia, Suite 1575
Portland, OR 97201
1-800-547-
www columbiaforestproducts com

Contact: Ang Schramm, Product Engineer
Emergency phone: 334-616-7745

PART II: HAZARDOUS INGREDIENTS

Component: **Wood dust**[1] (Generated as waste by-product of further fabrication by user)
CAS No.: None
Exposure limits:

	PEL	STEL
ACGIH TLV Softwoods and most hardwoods (except Beech, and Oak)	5 mg/m^3 TWA	10 mg/m^3 (15 min)
ACGIH TLV Certain Hardwoods (i.e. Beech and Oak)	1 mg /m^3 TWA	N/A
OSHA All hardwoods and most softwoods (except Western Red Cedar)	5 mg/m^3 TWA	10 mg/m^3
OSHA Western Red Cedar	2.5 mg/m^3 TWA	N/A

Formaldehyde. Complies with Table #5

Component: **Formaldehyde gas** (emitted in small and diminishing quantities from Urea Formaldehyde resin glue)
CAS No.: 50-00-0
Exposure limits:

OSHA	0.75 ppm TWA	2 ppm
ACGIH TLV	0.3 ppm Ceiling	

HUD 0.3 ppm @ .13 ft^2/ft^3 formaldehyde gas emissions from industrial stock panels tested under prescribed conditions for manufactured housing applications.

vapor or mist.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA o other recognized standards. Consult with local procedures for selection, training inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apror or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirato If there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower

EXPOSURE GUIDELINES

Ethylene glycol :	
Guideline ACGIH:	TLV-STEL: C 100 mg/m3 (Aerosol only)
Silicate, mica :	
Guideline ACGIH:	TLV-TWA: 3 mg/m3 (Respirable)
Guideline OSHA:	OSHA-TWA: 20 mg/m3
Titanium dioxide :	
Guideline ACGIH:	TLV-TWA: 10 mg/m3
Guideline OSHA:	OSHA-TWA: 15 mg/m3

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Color:	White
Boiling Point:	No Data
Melting Point:	No Data
Density:	10 - 12 Lbs./gal
Vapor Density:	Greater than 1 (Air = 1).
pH:	8.5 to 9.5
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	No Data
VOC Content:	Material VOC: 35 gm/l (Includes Water) Coating VOC : 97 gm/l (Excludes Water)

VOC's. Complies with Table #4

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

Ideal for walls, woodwork, trim, and ceilings in any room. May be applied over previously painted surfaces, wallboard, plaster, primed wood, primed metal, masonry, and most wallpapers. Dries to a tough, washable finish.

SURFACE PREPARATION AND PRODUCT INFORMATION: Wash surface thoroughly. Remove dust, dirt, grease, glue size or residue, soap and flaking paint. Dull glossy surfaces with light sanding or with a surface conditioner. **WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.** Dries in 30 minutes, recoat after 4 hours. Covers up to 400 sq. ft. per gallon on smooth, non-porous surfaces. Coverage may vary due to application losses or surface irregularities. **Do not apply this product if surface temperature is below 50°F.** Use an appropriate latex Glidden PVA primer to prime drywall or plaster. Prime unpainted wood or metal with appropriate Glidden primers.

WARNING! CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. USE ONLY WITH ADEQUATE VENTILATION! KEEP OUT OF THE REACH OF CHILDREN.

This product contains a chemical known to the state of California to cause cancer. For emergency information call (800) 545-2643. For additional safety information, refer to the Material Safety Data Sheet for this product. If sanding, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. **FIRST AID:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby oil then wash again with soap and water. Repeat as needed. Remove contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes. **Get medical attention.** If swallowed, **get medical attention immediately.** If inhalation causes discomfort, remove to fresh air. If discomfort persists or breathing difficulty occurs, get medical attention.

KEEP FROM FREEZING.

CCPL36-1105

DISPOSAL: Contains no chromium, lead or mercury. Consult your sanitation department for more information on disposal of empty containers. Disposal of wastes containing free-liquids in landfills is prohibted. Contact your state-designated environmental agency for information concerning re-use, recycling or disposal of unused latex paint.

EAD-11

Maximum VOC: 50 g/L (0.42 lbs/gal)

VOC's. Complies with Table #4